

**ABSTRACT**

The present invention relates an antenna arrangement (23, 330, 430, 530, 630) comprising a first layer (331, 431, 531, 631) consisting of a dielectric material and a second reflective layer  
5 (335, 435, 535, 640). The dielectric material has variable dielectric characteristics. An electromagnetic radiation (50) passing through said first layer (331, 431, 531, 631) and at least partly reflected by said second layer (335, 435, 535, 640) is modulated by varying said variable dielectric characteristics of said first layer.

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